

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently Amended) A method for monitoring a directory service, the method comprising:

scanning event logs for components and applications utilized by a directory service within a distributed data processing system and checking for errors;

responsive to a determination that an error is indicated by one of the event logs, consulting a knowledge base to determine if an entry for the error is contained within the knowledge base, wherein the knowledge base contains entries for known errors and associated corrective actions;

responsive to a determination that an entry for the error is contained within the knowledge base, determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system; and

responsive to a determination that the corrective actions are authorized, committing the corrective actions;

responsive to a determination that the corrective action is not authorized, paging support personnel;

logging relevant information related to the error; and
providing a report concerning the error to a monitoring console.

2. (Canceled)

3. (Original) The method as recited in claim 1, wherein determining the corrective actions comprises consulting a table containing identified errors and associated corrective actions.

4. (Original) The method as recited in claim 1, further comprising:

- responsive to a determination that the error is not found in the knowledge base, paging support personnel;
- logging relevant information related to the error; and
- providing a report concerning the error to a monitoring console.

5. (Original) The method as recited in claim 1, further comprising:

- querying directory service objects for errors;
- responsive to a determination that an error is found from querying the directory service objects for errors, consulting a knowledge base to determine whether an entry for the error is contained within the knowledge base, wherein the knowledge base contains entries for known errors and associated corrective actions;

- responsive to a determination that an entry for the error is contained within the knowledge base, determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system; and

- responsive to a determination that the corrective actions are authorized, committing the corrective actions.

6. (Original) The method as recited in claim 5, further comprising:

responsive to a determination that an error is not found after querying the directory service objects for errors, testing a component within the distributed data processing system and utilized in conjunction with the director service to determine whether the component is functioning properly;

responsive to a determination that an error exists preventing the component from functioning properly, consulting a knowledge base to determine if an entry for the error is contained within the knowledge base;

responsive to a determination that an entry for the error is contained within the knowledge base, determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system; and

responsive to a determination that the corrective actions are authorized, committing the corrective actions.

7. (Currently Amended) A computer program product in a computer readable medium for use in a data processing system for monitoring a directory service, the computer program product comprising:

first instructions for scanning event logs for components and applications utilized by a directory service within a distributed data processing system and checking for errors;

second instructions for consulting a knowledge base to determine if an entry for the error is contained within the knowledge base if it is determined that an error is indicated

by one of the event logs, wherein the knowledge base contains entries for known errors and associated corrective actions;

third instructions for determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system if it is determined that an entry for the error is contained within the knowledge base; and

fourth instructions for committing the corrective actions if it is determined that the corrective actions are authorized;

fifth instructions for paging support personnel if it is determined that the corrective action is not authorized;

sixth instructions for logging relevant information related to the error; and

seventh instructions for providing a report concerning the error to a monitoring console.

8. (Canceled)

9. (Original) The computer program product as recited in claim 7, wherein determining the corrective actions comprises consulting a table containing identified errors and associated corrective actions.

10. (Currently Amended) The computer program product as recited in claim 7, further comprising:

eighth ~~fifth~~ instructions for paging support personnel if it is determined that the error is not found in the knowledge base;

ninth ~~sixth~~ instructions for logging relevant information related to the error; and

tenth ~~seventh~~ instructions for providing a report concerning the error to a monitoring console.

11. (Currently Amended) The computer program product as recited in claim 7, further comprising:

eighth ~~fifth~~ instructions for querying directory service objects for errors;

ninth ~~sixth~~ instructions for consulting a knowledge base to determine whether an entry for the error is contained within the knowledge base if it is determined that an error is found from querying the directory service objects for errors, wherein the knowledge base contains entries for known errors and associated corrective actions;

tenth ~~seventh~~ instructions for determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system if it is determined that an entry for the error is contained within the knowledge base; and

eleventh ~~eighth~~ instructions for committing the corrective actions if it is determined that the corrective actions are authorized.

12. (Currently Amended) The computer program product as recited in claim 11, further comprising:

twelfth ~~ninth~~ instructions for testing a component within the distributed data processing system and utilized in conjunction with the director service to determine whether the

component is functioning properly if it is determined that an error is not found after querying the directory service objects for errors;

thirteenth ~~tenth~~ instructions for consulting a knowledge base to determine if an entry for the error is contained within the knowledge base if it is determined that an error exists preventing the component from functioning properly;

fourteenth ~~eleventh~~ instructions for determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system if it is determined that an entry for the error is contained within the knowledge base; and

fifteenth ~~twelfth~~ instructions for committing the corrective actions if it is determined that the corrective actions are authorized.

13. (Currently Amended) A system for monitoring a directory service in a distributed data processing system, the system comprising:

first means for scanning event logs for components and applications utilized by a directory service within a distributed data processing system and checking for errors;

second means for consulting a knowledge base to determine if an entry for the error is contained within the knowledge base if it is determined that an error is indicated by one of the event logs, wherein the knowledge base contains entries for known errors and associated corrective actions;

third means for determining corrective actions to be taken to correct the error and determining whether the corrective

actions are authorized under present conditions of the distributed data processing system if it is determined that an entry for the error is contained within the knowledge base; ~~and~~

fourth means for committing the corrective actions if it is determined that the corrective actions are authorized;

fifth means for paging support personnel if it is determined that the corrective action is not authorized;

sixth means for logging relevant information related to the error; and

seventh means for providing a report concerning the error to a monitoring console.

14. (Canceled)

15. (Original) The system as recited in claim 13, wherein determining the corrective actions comprises consulting a table containing identified errors and associated corrective actions.

16. (Currently Amended) The system as recited in claim 13, further comprising:

eighth ~~fifth~~ means for paging support personnel if it is determined that the error is not found in the knowledge base;

ninth ~~sixth~~ means for logging relevant information related to the error; and

tenth ~~seventh~~ means for providing a report concerning the error to a monitoring console.

17. (Currently Amended) The system as recited in claim 13, further comprising:

eighth ~~fifth~~ means for querying directory service objects for errors;

ninth ~~sixth~~ means for consulting a knowledge base to determine whether an entry for the error is contained within the knowledge base if it is determined that an error is found from querying the directory service objects for errors, wherein the knowledge base contains entries for known errors and associated corrective actions;

tenth ~~seventh~~ means for determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system if it is determined that an entry for the error is contained within the knowledge base; and

eleventh ~~eighth~~ means for committing the corrective actions if it is determined that the corrective actions are authorized.

18. (Currently Amended) The system as recited in claim 17, further comprising:

twelfth ~~ninth~~ means for testing a component within the distributed data processing system and utilized in conjunction with the director service to determine whether the component is functioning properly if it is determined that an error is not found after querying the directory service objects for errors;

thirteenth ~~tenth~~ means for consulting a knowledge base to determine if an entry for the error is contained within the knowledge base if it is determined that an error exists preventing the component from functioning properly;

fourteenth ~~eleventh~~ means for determining corrective actions to be taken to correct the error and determining whether the corrective actions are authorized under present conditions of the distributed data processing system if it is determined that an entry for the error is contained within the knowledge base; and

fifteenth ~~twelfth~~ means for committing the corrective actions if it is determined that the corrective actions are authorized.